

SEQUENCE LISTING

<110> BOUWSTRA, Jan Bastiaan
VAN ES, Andries Johannes Jozef
TODA, Yuzo

<120> RGD-enriched gelatine-like proteins with enhanced cell binding

<130> BOUWSTRA-6

<140> US 10/550,786

<141> 2004-03-26

<150> PCT/NL04/00208

<151> 2004-03-26

<150> EP 03075906.2

<151> 2003-03-28

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 250

<212> PRT

<213> Human partial COL1A1-sequence

<400> 1

Pro Pro Gly Pro Ala Gly Pro Ala Gly Glu Arg Gly Glu Gln Gly Pro
1 5 10 15
q

Ala Gly Ser Pro Gly Phe Gln Gly Leu Pro Gly Pro Ala Gly Pro Pro
20 25 30

Gly Glu Ala Gly Lys Pro Gly Glu Gln Gly Val Pro Gly Asp Leu Gly
35 40 45

Ala Pro Gly Pro Ser Gly Ala Arg Gly Glu Arg Gly Phe Pro Gly Glu
50 55 60

Arg Gly Val Gln Gly Pro Pro Gly Pro Ala Gly Pro Arg Gly Ala Asn
65 70 75 80

Gly Ala Pro Gly Asn Asp Gly Ala Lys Gly Asp Ala Gly Ala Pro Gly
85 90 95

Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu
100 105 110

Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp Ala
115 120 125

Gly Pro Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg Gly
130 135 140

Leu Thr Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Asp
145 150 155 160

Lys Gly Glu Ser Gly Pro Ser Gly Pro Ala Gly Pro Thr Gly Ala Arg
165 170 175

Gly Ala Pro Gly Asp Arg Gly Glu Pro Gly Pro Pro Gly Pro Ala Gly
180 185 190

Phe Ala Gly Pro Pro Gly Ala Asp Gly Gln Pro Gly Ala Lys Gly Glu
195 200 205

Pro Gly Asp Ala Gly Ala Lys Gly Asp Ala Gly Pro Pro Gly Pro Ala
210 215 220

Gly Pro Ala Gly Pro Pro Gly Pro Ile Gly Asn Val Gly Ala Pro Gly
225 230 235 240

Ala Lys Gly Ala Arg Gly Ser Ala Gly Pro
245 250

<210> 2

<211> 252

<212> PRT

<213> Artificial sequence

<220>

<223> Repeated partial human COL1A1-1 sequence

<400> 2

Gly Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly
1 5 10 15

Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp
20 25 30

Ala Gly Pro Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg
 35 40 45
 Gly Leu Thr Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly
 50 55 60
 Ala Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu
 65 70 75 80
 Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp Ala
 85 90 95
 Gly Pro Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg Gly
 100 105 110
 Leu Thr Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala
 115 120 125
 Pro Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
 130 135 140
 Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp Ala Gly
 145 150 155 160
 Pro Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg Gly Leu
 165 170 175
 Thr Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
 180 185 190
 Gly Ser Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly
 195 200 205
 Ala Ala Gly Leu Pro Gly Pro Lys Gly Asp Arg Gly Asp Ala Gly Pro
 210 215 220
 Lys Gly Ala Asp Gly Ser Pro Gly Lys Asp Gly Val Arg Gly Leu Thr
 225 230 235 240
 Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro
 245 250

<210> 3

<211> 625

<212> PRT

<213> Artificial sequence

<220>

<223> Human Partial COL5A2 sequence

<400> 3

Gln Gly Pro Ile Gly Pro Pro Gly Glu Glu Gly Lys Arg Gly Pro Arg
1 5 10 15

Gly Asp Pro Gly Thr Leu Gly Pro Pro Gly Pro Val Gly Glu Arg Gly
20 25 30

Ala Pro Gly Asn Arg Gly Phe Pro Gly Ser Asp Gly Leu Pro Gly Pro
35 40 45

Lys Gly Ala Gln Gly Glu Arg Gly Pro Val Gly Ser Ser Gly Pro Lys
50 55 60

Gly Ser Gln Gly Asp Pro Gly Arg Pro Gly Glu Pro Gly Leu Pro Gly
65 70 75 80

Ala Arg Gly Leu Thr Gly Asn Pro Gly Val Gln Gly Pro Glu Gly Lys
85 90 95

Leu Gly Pro Leu Gly Ala Pro Gly Glu Asp Gly Arg Pro Gly Pro Pro
100 105 110

Gly Ser Ile Gly Ile Lys Gly Gln Pro Gly Thr Met Gly Leu Pro Gly
115 120 125

Pro Lys Gly Ser Asn Gly Asp Pro Gly Lys Pro Gly Glu Ala Gly Asn
130 135 140

Pro Gly Val Pro Gly Gln Arg Gly Ala Pro Gly Lys Asp Gly Lys Val
145 150 155 160

Gly Pro Tyr Gly Pro Pro Gly Pro Pro Gly Leu Arg Gly Glu Arg Gly
165 170 175

Glu Gln Gly Pro Pro Gly Pro Thr Gly Phe Gln Gly His Pro Gly Pro
180 185 190

Pro Gly Pro Pro Gly Glu Gly Gly Lys Pro Gly Asp Gln Gly Val Pro
195 200 205

Gly Gly Pro Gly Ala Val Gly Pro Leu Gly Pro Arg Gly Glu Arg Gly
210 215 220

Asn Pro Gly Glu Arg Gly Glu Pro Gly Ile Thr Gly Leu Pro Gly Glu
 225 230 235 240
 Lys Gly Met Ala Gly Gly His Gly Pro Asp Gly Pro Lys Gly Ser Pro
 245 250 255
 Gly Pro Ser Gly Thr Pro Gly Asp Thr Gly Pro Pro Gly Leu Gln Gly
 260 265 270
 Met Pro Gly Glu Arg Gly Ile Ala Gly Thr Pro Gly Pro Lys Gly Asp
 275 280 285
 Arg Gly Gly Ile Gly Glu Lys Gly Ala Glu Gly Thr Ala Gly Asn Asp
 290 295 300
 Gly Ala Gly Gly Leu Pro Gly Pro Leu Gly Pro Pro Gly Pro Ala Gly
 305 310 315 320
 Leu Leu Gly Glu Lys Gly Glu Pro Gly Pro Arg Gly Leu Val Gly Pro
 325 330 335
 Pro Gly Ser Arg Gly Asn Pro Gly Ser Arg Gly Glu Asn Gly Pro Thr
 340 345 350
 Gly Ala Val Gly Phe Ala Gly Pro Gln Gly Ser Asp Gly Gln Pro Gly
 355 360 365
 Val Lys Gly Glu Pro Gly Glu Pro Gly Gln Lys Gly Asp Ala Gly Ser
 370 375 380
 Pro Gly Pro Gln Gly Leu Ala Gly Ser Pro Gly Pro His Gly Pro Asn
 385 390 395 400
 Gly Val Pro Gly Leu Lys Gly Gly Arg Gly Thr Gln Gly Pro Pro Gly
 405 410 415
 Ala Thr Gly Phe Pro Gly Ser Ala Gly Arg Val Gly Pro Pro Gly Pro
 420 425 430
 Ala Gly Ala Pro Gly Pro Ala Gly Pro Leu Gly Glu Pro Gly Lys Glu
 435 440 445
 Gly Pro Pro Gly Pro Arg Gly Asp Pro Gly Ser His Gly Arg Val Gly
 450 455 460
 Val Arg Gly Pro Ala Gly Pro Pro Gly Gly Pro Gly Asp Lys Gly Asp
 465 470 475 480

Pro Gly Glu Asp Gly Gln Pro Gly Pro Asp Gly Pro Pro Gly Pro Ala
485 490 495

Gly Thr Thr Gly Gln Arg Gly Ile Val Gly Met Pro Gly Gln Arg Gly
500 505 510

Glu Arg Gly Met Pro Gly Leu Pro Gly Pro Ala Gly Thr Pro Gly Lys
515 520 525

Val Gly Pro Thr Gly Ala Thr Gly Asp Lys Gly Pro Pro Gly Pro Val
530 535 540

Gly Pro Pro Gly Ser Asn Gly Pro Val Gly Glu Pro Gly Pro Glu Gly
545 550 555 560

Pro Ala Gly Asn Asp Gly Thr Pro Gly Arg Asp Gly Ala Val Gly Glu
565 570 575

Arg Gly Asp Arg Gly Asp Pro Gly Pro Ala Gly Leu Pro Gly Ser Gln
580 585 590

Gly Ala Pro Gly Thr Pro Gly Pro Val Gly Ala Pro Gly Asp Ala Gly
595 600 605

Gln Arg Gly Asp Pro Gly Ser Arg Gly Pro Ile Gly His Leu Gly Arg
610 615 620

Ala
625